Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour\_\_\_\_\_\_\_

**Photosynthesis/Respiration**

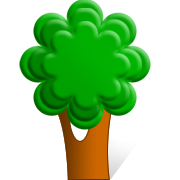
**Draw a symbol for each piece of the chemical reaction – PHOTOSYNTHESIS – in the boxes below.**

|  |  |  |
| --- | --- | --- |
| Carbon Dioxide | Oxygen | Water |
| Sugar/Glucose | Energy (from the sun) |  |

Use the scissor tool to place the pictures on the correct side of the tree for **PHOTOSYNTHESIS**

**COMES OUT**

**GOES IN**

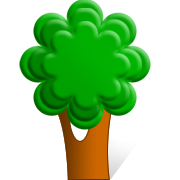


1. What are the REACTANTS needed for photosynthesis?
2. Where do plants “get” these reactants from *(3 answers)*?
   1. *Sunlight –*
   2. *Water –*
   3. *Carbon Dioxide –*
3. In what part of the plant does photosynthesis take place?
4. What are the PRODUCTS of photosynthesis?

**Draw a symbol for each piece of the chemical reaction – RESPIRATION – in the boxes below.**

|  |  |  |
| --- | --- | --- |
| Carbon Dioxide | Oxygen | Water |
| Sugar/Glucose | Energy (ATP) |  |

Use the scissor tool to place the pictures on the correct side of the tree for **RESPIRATION**



**COMES OUT**

**GOES IN**



1. What are the REACTANTS needed for respiration?
2. Where do plants “get” these reactants from *(3 answers)*?
   1. *Glucose/Sugar:*
      1. In plants-
      2. In animals-
   2. *Oxygen –*
3. In what part of plant and animal cells does respiration take place?
4. What are the PRODUCTS of respiration?

**Photosynthesis and Respiration:**

Look over the diagram on pg. 96 and read the FIRST paragraph on pg. 97, then answer this question:

1. What is the relationship between photosynthesis and respiration?

Draw the relationship between cellular respiration and photosynthesis below.

|  |  |  |
| --- | --- | --- |
|  | **Photosynthesis** | **Respiration** |
| **Reactants (all)** |  |  |
| **Products (all)** |  |  |
| **\*Major Product\*** |  |  |
| **Organism Type**  **(plant, animal, or both)** |  |  |
| **Where in Cell** |  |  |